

METHODS, SYSTEMS AND COMPUTER SOFTWARE FOR DESIGNING AND SYNTHESIZING SEQUENCE

ABSTRACT OF THE DISCLOSURE

5 Embodiments of the invention provides methods, computer software products
and systems for arranging polymers during combinatorial polymer synthesis so that
the border or edge between synthesis site is minimized. In one embodiment,
travelling salesman algorithm is used to minimize the edges. In another embodiment,
a locally greedy optimization method is provided. In addition, methods and software
10 products are provided for solving the robust arrangement problem for multi-probe
gene expression arrays.